

L1 ANSWER 19 OF 301 CA COPYRIGHT 2006 ACS on STN
 AN 142:200601 CA
 ED Entered STN: 03 Mar 2005
 TI Method and device for capturing melting flying ash
 IN Kiribayashi, Toshimitsu; Ozawa, Saburo; Hashimoto, Eihiro; Yamada, Mitsuo;
 Iwami, Tsuneo
 PA Kyowa Exeo Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM B01D046-02
 ICS B01D053-50; B01D053-68; B01D053-81
 CC 47-2 (Apparatus and Plant Equipment)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005034695	A2	20050210	JP 2003-197704	20030716
PRAI	JP 2003-197704		20030716		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2005034695	ICM	B01D046-02
	ICS	B01D053-50; B01D053-68; B01D053-81
	IPCI	B01D0046-02 [ICM,7]; B01D0053-50 [ICS,7]; B01D0053-68 [ICS,7]; B01D0053-81 [ICS,7]
	FTERM	4D002/AA02; 4D002/AA19; 4D002/AB01; 4D002/AC10; 4D002/BA03; 4D002/BA14; 4D002/CA11; 4D002/CA13; 4D002/DA05; 4D002/DA12; 4D002/EA02; 4D002/GA01; 4D002/GB01; 4D002/GB06; 4D002/GB12; 4D002/HA06; 4D058/JA04; 4D058/MA54; 4D058/NA10; 4D058/SA20; 4D058/TA02; 4D058/UA03; 4D058/UA10
AB	The method is characterized by being able to eliminate the filter clogging using reversed washing. <u>The fly ash, with an average particle size of 3.5-7.5 μm, from the waste gas of a combustion furnace is removed by using a bag filter. The gas flow rate is controlled at 0.4-0.7 m/min. Slaked lime of 1.5-2 times of the acid gas in the waste gas is added to the gas flow before the bag filter for neutralization.</u>	
ST	device capturing melting flying ash bag filter reversed washing	
IT	Filters (bags; capturing melting flying ash from waste gas using	

→ teach Fly ash
 from a combustion furnace
 has particle size 3.5-7.5 μ m
 well within applicant's claimed range
 of up to 10 μ m.

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L4 ANSWER 60 OF 321 CA COPYRIGHT 2004 ACS on STN
 AN 136:41617 CA
 ED Entered STN: 10 Jan 2002
 TI Light-insulating mortar compositions containing cement,
 fly ash, alumina, swelling agent and set
 accelerator for improved setting rate, curing and reduced shrinkage
 IN Na, Jong Yool; Kim, Sung Wan; Yoon, Sang Chun; Lee, Dae Woo; Kang, Il
 Kyung; Shin, Il Seop
 PA Hyundai Construction Co., Ltd., S. Korea; Korea National Housing
 Corporation; Kumkang Korea Chemical Co., Ltd.
 SO Repub. Korean Kongkae Taeho Kongbo, No pp. given
 CODEN: KRXXA7
 DT Patent
 LA Korean
 IC ICM C04B018-10
 ICS C04B022-04
 CC 58-3 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	KR 2000014685	A	20000315	KR 1998-34228	19980824
PRAI	KR 1998-34228		19980824		

AB Light-insulating mortar compns. with improved setting rate, d., curing
 properties and shrinkage resistance are prepd. The insulating mortar
 compns. consist of 50-70 wt.% cement, 30-50 wt.% fly
 ash, 1-10 wt.% swelling agent, 0.01-0.5 wt.% alumina,
 0.1-0.8 wt.% set-accelerator (sodium carbonate), and 0.01-0.1 wt.%
 cellulose ester. The swelling agent is a mixt. of calcium sulfoaluminate
 and calcium sulfate or calcium oxide, a mixt. of alumina
 cement and gypsum, a mixt. of calcium aluminate and
 calcium sulfate and/or a mixt. of calcia and magnesia.
 ST light insulating mortar compn setting rate curing shrinkage;
 cement flyash swelling agent alumina set accelerator
 mortar compn